

AS  
concl.

37. A user identity authentication method according to claim 36 further comprising a step of judging whether or not said individual information needs to be transmitted in accordance with a degree of requirement set in said mobile information communication device or a destination terminal of communication; and transmitting said individual information via the Internet only when necessary.

#9

39. A mobile telephonic device comprising:  
a liquid crystal display device; and  
a flash memory,  
wherein said liquid crystal device comprises photo diodes provided for respective pixels, and  
wherein said flash memory is stored with individual information of a user.

REMARKS

Claim 1-41 are pending with claims 1, 3, 21, 23, 26, 39, and 40 being independent. Claims 2, 4, 7, 11, 15-20, 22, 26, 27, 29, 34-37, and 39 have been amended to put the application in better condition for examination.

Attached is a marked-up version of the changes being made by the current amendment. Please apply any charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

  
\_\_\_\_\_  
William D. Hare  
Reg. No. 44,739

Date: May 9, 2001

Fish & Richardson P.C.  
601 Thirteenth Street, NW  
Washington, DC 20005  
Telephone: (202) 783-5070  
Facsimile: (202) 783-2331  
40055302.doc

Version with markings to show changes made

In the claims:

Claims 2, 4, 7, 11, 15-20, 22, 26, 27, 29, 34-37, and 39 have been amended as follows:

2. A user identity authentication system according to claim 1, wherein [comprising: a mobile information communication device; a liquid crystal display device provided in said mobile information communication device; and

an] the image sensor [provided in said liquid crystal display device and] is constructed of photo diodes provided for respective pixels[,

wherein said image sensor reads individual information of a user, and a user's identity is authenticated based on the individual information].

4. A user identity authentication system according to claim 3, wherein [comprising: a liquid crystal display device comprising a built-in image sensor; a storage device; and]

the module for comparing is configured [a module] for judging whether the user can be identified or not by comparing individual information read by said image sensor with individual information stored in said storage device.

7. A user identity authentication system according to claim 2, wherein said mobile information communication device comprises an operation key and is configured to provide an operation of authenticating the user's identity [is performed] by manipulating the [an] operation key [of said mobile information communication device].

11. A user identity authentication system according to claim 4, wherein said mobile information communication device comprises an operation key and is configured to provide an

operation of authenticating the user's identity [is performed] by manipulating the [an] operation key **[of said mobile information communication device]**.

15. A user identity authentication system according to claim 2, wherein said mobile information communication device comprises a power source and is configured to provide authentication of said user's identity **[is triggered]** simultaneously with [by] switching on the [a] power source of said mobile information communication device.

16. A user identity authentication system according to claim 4, wherein said mobile information communication device comprises a power source and is configured to provide authentication of said user's identity **[is triggered]** simultaneously with [by] switching on the [a] power source of said mobile information communication device.

17. A user identity authentication system according to claim 2, wherein one or both of a palm print (palm lines) and/or a fingerprint **[is used as]** comprises said individual information.

18. A user identity authentication system according to claim 4, wherein one or both of a palm print (palm lines) and/or a fingerprint **[is used as]** comprises said individual information.

19. A user identity authentication system according to claim 2, wherein said individual information comprises one or both of a palm print of a whole palm or a part of a palm **[is used]**.

20. A user identity authentication system according to claim 4, wherein said individual information comprises one or both of a palm print of a whole palm or a part of a palm **[is used]**.

22. A user identity authentication system of claim 21, wherein [comprising: a mobile information communication device;

**a liquid crystal display device provided in said mobile information communication device; and**

**an image sensor built into said liquid crystal display device,**

**wherein said image sensor reads individual information of a user, and]** said

individual information is transmitted via the Internet only when necessary, in accordance with a transmission necessity judged based on a degree of requirement set in said mobile information communication device or a destination terminal of communication.

26. A user identity authentication method using a mobile information communication device provided with a liquid crystal display device comprising a built-in image sensor, said method comprising:

**a step of reading individual information of a user with said image sensor; and**

**a step of authenticating a user's identity based [on] on said individual information.**

27. A user identity authentication method according to claim 26 wherein the [using a mobile information communication device provided with a liquid crystal display device provided in said mobile information communication device, and with an] image sensor [provided in said liquid crystal display device and constructed of] comprises photo diodes provided for respective pixels], said method comprising:

**a step of reading individual information of a user with said image sensor; and**

**a step of authenticating a user's identity based on said individual information].**

29. A user identity authentication method according to claim 27, further comprising [wherein an operation of] authenticating the user's identity [is performed] by manipulating an operation key on said mobile information communication device.

34. A user identity authentication method according to claim 27, wherein one or both of a palm print (palm lines) and/or a fingerprint [is used as] comprises said individual information.

35. A user identity authentication method according to claim 27, wherein said individual information comprises one or both of a palm print of a whole palm or a part of a palm [is used].

36. A user identity authentication method using a mobile information communication device provided with a liquid crystal display device comprising a built-in [an] image sensor, said method comprising:

a step of reading individual information of a user with said image sensor; and  
a step of transmitting said individual information via the Internet.

37. A user identity authentication method according to claim 36 further comprising [using a mobile information communication device provided with a liquid crystal display device comprising a built-in an image sensor, said method comprising:

**a step of reading individual information of a user with said image sensor;]**

a step of judging whether or not said individual information needs to be transmitted in accordance with a degree of requirement set in said mobile information communication device or a destination terminal of communication; and

[a step of] transmitting said individual information via the Internet only when necessary.

39. A mobile telephonic device comprising:

a liquid crystal display device; and

a flash memory,

wherein said liquid crystal device **[comprising] comprises** photo diodes provided for respective pixels, and

wherein said flash memory is stored with individual information of a user.